

AMENDMENTS TO THE CLAIMS

The following represents the complete listing of the claims in this application in the present state including any amendments sought to be entered at this time. In this paper, claim 65 is amended. All claims that have been canceled have been canceled without prejudice or disclaimer of any subject matter therein.

Listing of the Claims

1-50(canceled).

51(previously amended). A refuse vehicle as in claim 65 wherein said hydraulic rotary actuator has a double-ended output shaft and wherein said mechanized pivoting arm arrangement includes a pair of spaced parallel arm members, each having a one-piece curved structure, each being attached to and operated by an end of said double-ended output shaft.

52(previously amended). A refuse vehicle as in claim 65 wherein said control system includes a speed controller for controlling the pivoting speed of said mechanized pivoting arm arrangement based on sensed angular position thereof.

53(previously amended). A refuse vehicle as in claim 51 wherein said control system includes a speed controller for controlling the pivoting speed of said mechanized pivoting arm arrangement based on sensed angular position thereof.

54(canceled).

55(previously amended). A refuse vehicle as in claim 65 wherein said arm position sensing system for sensing the angular position of said at least one arm includes an angular displacement transducer attached to sense the rotational position of said hydraulic rotary actuator.

56(previously amended). A refuse vehicle as in claim 51 wherein said arm position sensing system for sensing the angular position of said at least one arm includes an angular displacement transducer attached to sense the rotational position of said hydraulic rotary actuator.

57(previously amended). A refuse vehicle as in claim 52 wherein said arm position sensing system for sensing the angular position of said at least one arm includes an angular displacement transducer attached to sense the rotational position of said hydraulic rotary actuator.

58-64(canceled).

65(currently amended). A side loading refuse vehicle having a mechanized container handling system mounted thereon comprising:

- (a) a side loading refuse vehicle further comprising a body having a dropped bottom charging hopper;
- (b) a telescoping boom mounted on said refuse vehicle and selectively operable to move laterally from a side thereof;

- (c) a mechanized arm arrangement including a reversing hydraulic rotary actuator carried by said telescoping boom and having at least one output shaft end, at least one arm member having a one-piece structure which is curved to shorten its lift-and-dump radius and reduce necessary clearance space for vehicle loading operations such that a container does not exceed the height of the truck body during a lift and dump operation described by the pivoting thereof and can be emptied through a side opening in said truck body, said arm having an end fixed to and rotated by said output shaft of said rotary actuator and a free end, wherein simple pivotal operation of said one-piece arm through a major arc accomplishes a complete lift and dump operation;
- (d) a separately operated container grabber device for grabbing and releasing containers of interest, said grabber device being carried by the free end of said at least one arm in an offset mounting arrangement;
- (e) a boom position sensing system for sensing the relative lateral extension of said boom;
- (f) an arm position sensing system for monitoring rotational position of said at least one arm based on

a sensed rotational position of said hydraulic rotary actuator;

- (g) actuators for extending and retracting said boom and operating said container grabber device; and
- (h) a control system for controlling the operation of said container handling system, wherein said control system includes a speed controller for controlling the rotation speed of said rotary actuator.

66(previously amended). A refuse vehicle as in claim 65 further comprising mechanical stops associated with the extremes of the rotational position of said one or more one-piece curved arms.